Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Tuesday 30 Jan 2024 until 23:59 on Wednesday 31 Jan 2024

Forecast Issued on Tuesday 30 Jan 2024 at 02:26

Confidence: High becoming Medium for cloud detail from Wednesday.

Headline for Tuesday 30 Jan 2024: Dry with bright and sunny spells. Chilly over the summits.

Mountain weather hazards on Tuesday 30 Jan 2024

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light snow	Sunny intervals	Sunny	Sunny	Sunny intervals	Cloudy
Precipitation probability					
30%	30%	<05%	<05%	<05%	10%

Forecast for Tuesday 30 Jan 2024

Weather: Overnight rain, sleet and summit snow mostly dying out. The cloud lifting and clearing during the morning with bright and sunny spells developing. Dry and mainly clear in the evening, although some patchy summit cloud possible.

Chance of cloud-free hill tops above 800m: 20% overnight rising to 80% around midday.

Low cloud and visibility: Extensive cloud, base 300 to 600m, lifting and clearing during the morning. Patchy summit cloud possible in the evening. Visibility mostly good or very good during daylight hours, but moderate to very poor overnight and early morning.

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Mountain Weather Forecast

Forecast for Tuesday 30 Jan 2024

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	29/34 N	22/26 NW	21/25 W	21/26 W	20/24 SW	26/32 SW	32/40 SW
600	22/28 N	15/18 NW	13/18 W	16/20 W	15/21 SW	21/28 SW	28/38 SW
300	11/26 N	6/19 NW	6/18 NW	7/18 W	5/18 SW	9/24 SW	11/29 SW
Valley	11/26 N	6/18 NW	6/16 W	6/14 W	4/16 SW	8/22 SW	11/27 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-1/-9	-1/-9	-1/-8	-0/-7	-0/-7	0/-7	0/-8
600	1/-6	0/-5	1/-4	2/-4	1/-4	2/-4	2/-5
300	2/-2	2/-1	4/1	4/2	3/1	4/0	4/-0
Valley	4/0	4/2	6/4	7/5	6/4	6/3	6/3
Freezing Level*	700m	600m	700m	800m	800m	800m	800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Ice and frozen surfaces could be a hazard at height.

Forecast for Wednesday 31 Jan 2024

Weather: Cloud increasing overnight and during the morning, mainly dry but some patchy light rain and drizzle possible. The rain then becoming heavy and persistent through the afternoon, before drier and clearer conditions return during the evening. Summit gales developing with a significant wind chill.

Maximum wind: Southwest 40mph gusting 60mph in the afternoon.

Chance of cloud-free hill tops above 800m: 50% lowering 10% in the afternoon, rising to 70% in the evening.

Low cloud and visibility: Extensive cloud, base 600 to 900m, lowering 300 to 600m in the afternoon, before lifting and clearing in the evening. Visibility often moderate to very poor during daylight hours, but good or very good at times early and later in the period.

Temperature: **Valleys:** Plus 4 rinsing to 8 Celsius during the day.
At 800m: Plus 1 Celsius rising to 3 Celsius in the afternoon
Freezing level: Around the summits early and later in the day.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Monday 29 January 2024 Location: Helvellyn summit at 12:44 Full report: A wet day with lighter winds than experienced last week and over the weekend. However, a shift to a more northeasterly airflow has brought with it slightly cooler conditions with sleet and hill snow over high ground. This new snow has settled down to roughly 700m although the temperature on the top of Helvellyn around midday was fluctuating around freezing point. All of the snow encountered today was wet and thawing, although it will only take a slight drop in temperature to give icy conditions. Swirral and Striding Edge are once again in wintery condition, and Swirral Edge in particular still holds patches of old, hard, and icy snow underneath the new snow. The summit plateau was very white today and many of the paths are starting to become obscured/buried under the snow meaning that good navigation is required. The windchill (feels-like) temperature on the tops today was around -6ºC and anyone who stood still even for short periods would get cold very quickly. Full winter clothing (warm and waterproof) including hats and gloves and equipment including a map, compass, and headtorch are all essential. Microspikes, walking poles, and goggles may also be a sensible addition to your rucksack. Anyone planning routes over steep and exposed ground is advised to carry an ice axe and crampons/microspikes. Temperature: plus 0.0 C, Maximum wind speed 15.1 mph, Wind chill: minus 5.9 C, Average wind speed: 11.9 mph

Issued at: 02:26 on Tue 30 Jan 2024

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